

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/593,760	
	371(c) Date	September 22, 2006	
	First Named Inventor	Shinichi CHIKURA	
	Art Unit	1797	
	Examiner	MENON, Krishnan S.	
(Multiple sheets used when necessary)		Attorney Docket No.	UNI079.074APC
SHEET 1 OF 2			

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	3 386 876	06-1968	WYCKOFF	
	2	5 073 263	12-1991	FAGUNDES et al.	
	3	5 114 582	05-1992	SANDSTROM et al.	
	4	6 881 336	04-2005	JOHNSON	
	5	7 326 659	02-2008	CEDERBLAD et al.	
	6	7 326 660	02-2008	WALRAEVS et al.	
	7	US 2005/0077229	04-2005	ISHII	
	8	US 2007/0196185 A1	08-2007	KOHEL et al.	
	9	US 2007/0199654 A1	08-2007	KOHEL et al.	
	10	US 2008/0190836 A1	08-2008	BEPPU et al.	
	11	US 2009/0026130 A1	01-2009	CHIKURA et al.	

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Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-YYYY	Country	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	12	EP 0 478 111	04-1992	EUROPE		X
	13	EP 0 508 646	10-1992	EUROPE		X
	14	GB 2164871 A	04-1986	UNITED KINGDOM		X
	15	JP 05-123545	05-1993	JAPAN		ABSTRACT & US 5114582
	16	JP 06-007649	01-1994	JAPAN		ABSTRACT & US 5073263
	17	JP 2005-103516	04-2005	JAPAN		ABSTRACT & US2005/0077229
	18	JP 2005-178010	07-2005	JAPAN		ABSTRACT ONLY
	19	JP 2005-279377	10-2005	JAPAN		ABSTRACT ONLY
	20	JP 4-326926	11-1992	JAPAN		ABSTRACT ONLY
	21	JP 53-124179	10-1978	JAPAN		ABSTRACT ONLY

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate); title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹	

Examiner Signature	/Krishnan Menon/ (02/09/2009)	Date Considered
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.M./

T¹ - Place a check mark in this area when an English language translation is attached.

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		UNIU79.074APC

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	22	DA COSTA et al., "Net-type spacers: Effect of configuration on fluid flow path and ultrafiltration flux." <i>Ind. Eng. Chem. Res.</i> , Vol. 33, 1994: 1845-1851	X
	23	International Search Report issued on the related PCT Application No. PCT/JP2007/054466, dated June 12, 2007	X
	24	International Search Report issued on the related PCT Application No. PCT/JP2007/054637, dated June 12, 2007	X
	25	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 025197/1981 (Laid-open No. 140803/1982)	PARTIAL TRANSLATION
	26	SONG et al., "Numerical studies of the impact of spacer geometry on concentration polarization in spiral wound membrane modules." <i>Ind. Eng. Chem. Res.</i> , Vol. 44, 2005: 7638-7645	X
	27	File History of the related U.S. Patent Application No. 11/722,659, for the period of 06/25/08-01/29/09	X
	28	File History of the related U.S. Patent Application No. 12/137,317, for the period of 06/25/08-01/29/09	X
	29	File History of the related U.S. Patent Application No. 12/282,138, as of 01/29/09	X
	30	File History of the related U.S. Patent Application No. 12/282,550, as of 01/29/09	X

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